

DAAC/ECS STATUS Table for November 12, 1997

Release	DESCRIPTION	Status	Problems/Comments
Pre-Release B Testbed	HW/SW Installations	Problems were encountered in testing of ECS Pre-Release B Testbed Version 1.4. Langley will be receiving the Toolkit 5.1.4 which addresses a trouble ticket on intermediate files needed for MOPITT SSI&T. Testbed teardown is scheduled for the first week in January 1998.	
	SSI&T	As time permits, the DAAC will attempt SSI&T subsystem 1.0 on the testbed. Subsystem 1.0 has been delivered to the DAAC with the necessary metadata files using Toolkit 5.1.1 as a part of the 30 Day test activities. This exercise will be only to see what problems we may encounter during Early SSI&T at the Huges facility.	

Release	DESCRIPTION	Status	Problems/Comments
LaTIS	Definition/ Development	<p>CSU ICD's for ISCCP B1 data (GOES-W) is complete.</p> <p>LaRC DAAC/CERES Operations Agreement is being finalized.</p> <p>DPREP Automation is currently under Testing (Bob Ignacio).</p> <p>Testing of Instrument through the Product Generation DB will hopefully be completed late this week.</p> <p>Product Generation DB has been redesigned to conform with Configuration Mgmt requirements (Tina Rogerson).</p> <p>A tool called the "SCF Viewer" is being created as a WEB GUI in order to view all tables in Maria Mitchum's CERES Processing Requirements Document (Yantao Shi)</p>	
	SSI&T	<p>SSI&T of GGEO, Instrument, and CERESlib (SSF version) were sucessfully completed. Production Volume Stress Test of SARB is completed. Production Volume Stress Test for GGEO main processor with GOES-8 data was also completed</p> <p>Toolkit for NAG 32 needed to be installed due to a metadata problem discovered by Alice Fan. This was an installation problem.</p> <p>Denise Cooper discovered a bug in the Toolkit routine PGS_MET_GetConfigByLabel.c, dealing with closing the PCF file. The Tollkit folks have delivered a patch (11/10) to correct the problem. It is being installed at the DAAC.</p>	
	Other	DAAC/CERES Operations Meeting is scheduled for Friday, November 14, 1997 at 1:00 pm in room 1313 at the DAAC.	

Release	DESCRIPTION	Status	Problems/Comments
Version 2.0 (Release B)	HW/SW Installations	<p>ECS Version 2.0 drop3 will be the first delivery of ECS Version 2.0 to the Langley DAAC. Installation is scheduled to be completed on 02/23/98.</p> <p>All Version 2.0 hardware is now at the DAAC. COTS installation is in progress.</p>	
	ESDTS	None	
	SSI&T	<p>The ECS SDP Toolkit 5.2.1 and HDF-EOS library (2.1) versions for ECS V2.0 have been released on 10/31. Changes include enhancements and fixes for metadata access (MET), Level 0, and PC tools.</p> <p>ECS provided feedback on CERES inquiry (Cooper) on problems reading EOS-AM files. Issue arises from the change in EDOS format on 8/96 and is corrected in TK 5.2.1</p> <p>ECS has ported the C and F77 IMSL libraries to the SGI new 32 bit ABI. New 32 bit SGI versions of the IMSL C and F77 libraries are now available on the EDHS ftp server.</p> <p>Early SSI&T of CERES PGEs at VATC in Landover is underway. Problems with ESDT descriptor files were encountered for Subsystem 11. There were a couple of other minor problems concerning setting of valid metadata attributes that need to be fixed within the PGE. Subsystem 1.0 was compiled and tested on the testbed with the Toolkit 5.2.1. The executable file was then sent to Landover for Early SSI&T. This was done because SGI Ada 95 compiler was not available at Landover.</p>	
	Other	<p>The updated draft readiness schedule and capabilities available within ECS V2.0 system at launch and at 8/30 have been provided by ESDIS and ECS.</p> <p>The Langley DAAC has prepared an Operation Rehearsal Plan (Operation Scenarios) that we would like to see tested for at launch capabilities. The DAAC will work through the System Engineering Committee in getting feedback from CERES on these scenarios.</p>	

Status of Release 2 CERES SSIT at the LaRC DAAC (11/10/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Run test cases using Codine	Production Volume Stress Test	Comments
1.0	06/26/97 08/27/97 10/24/97	06/30/97 08/27/97 10/26/97	07/01/97 08/28/97 10/27/97	07/02/97 08/28/97 10/27/97	07/03/97 08/28/97 10/28/97	07/03/97 08/30/97 10/30/97	08/30/97	
2.0 & 3.0	06/16/97	06/17/97	06/23/97	06/19/97	06/23/97	07/02/97	07/17/97	
4.1-4.4	08/15/97	08/19/97	08/19/97	08/21/97	08/25/97	08/26/97	08/26/97	
4.5-4.6	08/22/97	08/26/97	08/28/97	08/30/97	09/02/97	09/03/97	09/17/97	
5.0	09/11/97	09/12/97	09/15/97	09/16/97	09/16/97	09/17/97	10/30/97	
7.1								
7.2								
8.0								
6.0/9.0								
10.0								
11.0	08/01/97 10/10/97	08/05/97 10/14/97	08/05/97 10/14/97	08/07/97 10/16/97	08/07/97 10/16/97	08/08/97 10/17/97		
12.0	08/01/97	08/05/97	08/06/97	08/05/97	08/06/97	08/08/97	08/08/97	
cereslib	06/17/97 08/01/97+ 10/03/97* 10/31/97-	06/18/97 08/04/97 10/06/97 11/04/97	06/23/97 08/05/97 10/07/97 11/04/97	06/18/97 08/05/97 10/07/97 11/06/97	06/18/97 08/05/97 10/07/97 11/06/97	N/A N/A N/A N/A	N/A N/A N/A N/A	+Delivery for SS 11 * Delivery for TK5.2 - Delivery for SSF

Status of Release 2 CERES SSIT on the ECS Pre-Release B Testbed at the LaRC DAAC (10/1/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Compile and link with DAAC toolkit	Run test cases with DAAC toolkit cmd line	Register ESDTs and update PDPS with ESDT metadata	Created PGE metadata (PCF info)	Created metadata for input test data	Created Science Software Exec Package	Create DPR and run jobs through PDPS
11.0 (main)	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/12/97	08/12/97	08/13/97	08/15/97	08/18/97	08/19/97	08/29/97*
11.0 (post)	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/12/97	08/12/97	08/13/97	09/19/97	09/19/97	09/19/97	09/19/97
cereslib	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/11/97	08/11/97	N/A	N/A	N/A	N/A	N/A

* NOTE: Testbed Versions 1.2 and 1.3 were installed in September. CERES GGEO_MAIN ran successfully with these versions. GGEO_POST was not run until after Versions 1.2 and 1.3 were installed and tested.

CERES Release 2 DAAC Performance Measurements - 11/10/97

One execution on LaTIS configuration of each PGE at production-level volume expected for TRMM launch.

SS	PGE	Compiler	Test Date	Time,sec			Block Operations		Peak Memory MB	Disk Storage, MB					Runs per Mnth
				Wall	User	System	Input	Output		Input	Temp	Interm	Arch	Logs/QC	
1.0	Instrument	Ada	08/30	13952	13335	424	27397	7428	1320.3	106	0	303	387	0.9	31
2.0	Daily TOA Inversion	SGIF90	07/16	288	276	9	4334	5	3.3	284	284	13	487	.02	31
3.0	Monthly Averaging	SGIF90	07/17	569	400	130	4890	230	15.7	403	410	0	140	1.7	1
4.1/ 4.4	Cloud Retrieval/ Footprint Convolution	SGIF90	08/26	4481	4384	52	3174	13	323.1	312	0	1167	30	36.0	744
4.5	TOA/Surface Fluxes	SGIF90	09/17	162	33	126	52	13	2.9	215	0	0	201	0.08	744
5.0	Instantaneous SARB	SGIF90	10/30	27150	26785	190	3412	4	224.9	247	0	0	253	.001	744
7.2	Synoptic SARB	NAG 32bit	08/08	1633	1548	29	35672	29	40.5	709	0	0	319	.001	31
12.0	MOA Regridding														
11.0	Grid Geostationary														
11.1	Sort GGEO														
9.0	Surface Gridding														
9.1	Sort SFC Files														
12.1	Post-process MOA														
10.0	TOA/SRB Averaging														
6.0	Atmos. Gridding														
6.1	Sort FSW Files														
7.1	Synoptic Interpolate														
8.0	Synoptic Averaging														
System Total															

System total: multiply each PGE measure by the number of Runs per Data Month for that PGE, then add all PGE's. Some PGE's will require more resources for each instrument on EOS-AM and EOS-PM.